

**1st March, 1904**

Date : 3/16/25 9:26 PM

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[§§ 12057 to 12089.]

[Issued with Army Orders, dated 1st March, 1904.

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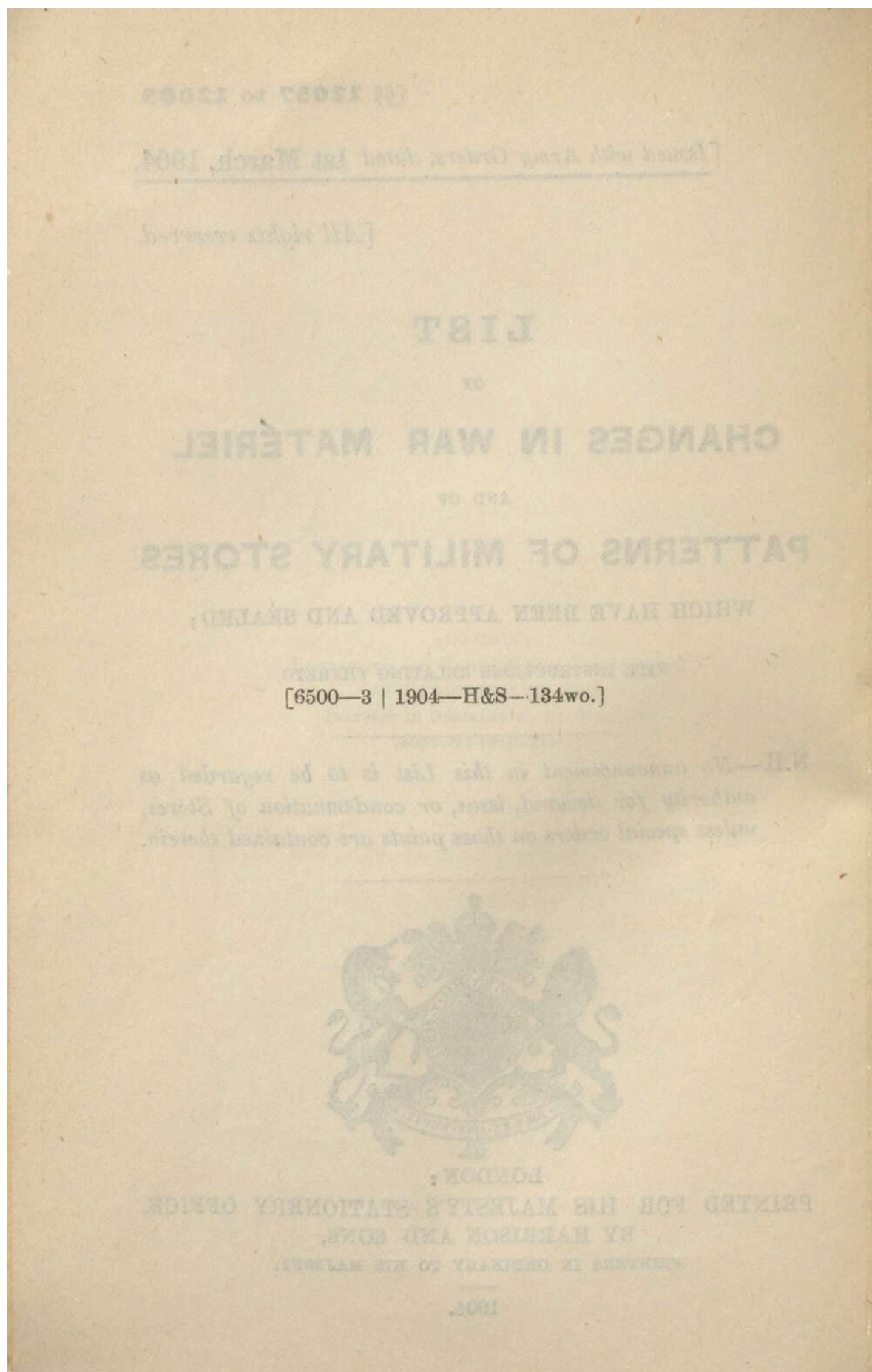
**LIST**  
OF  
**CHANGES IN WAR MATÉRIEL**  
AND OF  
**PATTERNS OF MILITARY STORES**  
WHICH HAVE BEEN APPROVED AND SEALED;  
WITH INSTRUCTIONS RELATING THERETO.

N.B.—*No announcement in this List is to be regarded as authority for demand, issue, or condemnation of Stores, unless special orders on those points are contained therein.*



LONDON:  
PRINTED FOR HIS MAJESTY'S STATIONERY OFFICE,  
BY HARRISON AND SONS,  
PRINTERS IN ORDINARY TO HIS MAJESTY.

1904.





## CONTENTS.

Article.	Para.	Page.
Barrows, projectile:—		
Road—	}	12063 628
Shingle— <i>To become obsolete.</i>		
Batteries, Leclanché:—		
C, three-cell. (I.)—	}	12078 640
Box. (I.)—		
C, six-cell. (I.)—		
Box. (I.)— <i>To become obsolete.</i>		
Belt, restraint, lunatic— <i>Obsolete.</i>	}	12077 639
Boxes:—		
Ammunition, Q.F.—	}	12073 636
Ammunition, S.A.—		
Cartridge— <i>Red cross, denoting varnished or painted         linings, to be abolished.</i>		
Fuze—	}	12062 628
No. 27—		
No. 30— <i>Clips for fastening the lids to be         removed.</i>		
Junction, disconnecting— 1 group and 4 branch cables. (IV.)	}	12079 640
Carriages:—		
Garrison, B.L.—	}	12064 629
Barbette—		
10-inch. (IV.)—		
9·2-inch. (III., IV., and V.)—		
Central pivot, 6-inch. (I. to IV.)— <i>Yard scale ring for use with 1-inch             aiming rifles.</i>		

Article.	Para.	Page.
<i>Carriages—continued.</i>		
Garrison, B.L.—		
Disappearing—		
10-inch. (I.)—	12065	629
9·2-inch (I.)—		
Valves, recoil, Marks II.* and III.		
Garrison, Q.F.—		
6-inch. (I. and II.)—	12064	629
4·7-inch, C.P. (III.)—		
12-pr. (III.)—		
<i>Yard scale ring for use with 1-inch aiming rifles.</i>		
Siege, B.L.—		
6-inch 30-cwt. howitzer. (I.)—	12067	630
<i>Modifications to elevating gear.</i>		
<i>Cases:—</i>		
Drawing, compass—		
Empty. (I.) .. .. .	12085	645
Filled. (I.) .. .. .		
Powder, 100 lb.—		
<i>Red cross, denoting varnished or painted linings, to be abolished.</i>	12073	636
<i>Compass, drawing:—</i>		
Shifting leg, single-jointed, 6-inch. (I.)..	12085	645
Leg, pen. (I.) .. .. .		
Leg, pencil. (I.) .. .. .		
<i>One pattern for all services in future.</i>		
Cutter, wire. (III.) .. .. .	12061	628
<i>Dials, mechanical:—</i>		
C. (I.) .. .. .	12080	641
D. (I.) .. .. .		
Errata .. .. .	—	651
<i>Frogs, brown, wire cutter:—</i>		
(I.)—	12059	627
<i>Extended use and nomenclature.</i>		
(II.) .. .. .		



Article.	Para.	Page.
<b>Implements :</b>		
Action, rifle, short, M.L.E. (I.) .. ..	12057	625
Fuze, shell, and cartridge—		
Key, removing adapter, or electric primer. (IV.)	12074	636
<b>Instruments, drawing :—</b>		
Special—	12086	645
<i>To become obsolete.</i>		
<b>Ordnance :—</b>		
B.L.—		
12-inch, wire, Mark VIII.—		
Locks, electric. (I.**, II.*, and III.)—		
<i>Modifications to Marks I.* and II. locks.</i>		
<i>Nomenclature of modified locks.</i>	12070	633
9 '2-inch, wire, Marks VIII. and IX.—		
Locks, electric. (I.***, I.****, II.*, and III.)—		
<i>Modifications to Marks I.*, I.**, and II. locks.</i>		
<i>Nomenclature of modified locks.</i>		
9 '2-inch, wire, Mark IX.—		
Ring, carrier—		
<i>Modification to facilitate the removal and replacement of contact bolt.</i>	12071	635
15-pr., Marks II. to IV.—		
12-pr., Marks II. to IV.—		
Carrier .. ..		
Pinion, link. (II.) .. ..	12072	635
<i>Breech screw link (Part I.) to be case hardened.</i>		
<i>Link pinion to be made of steel and case hardened.</i>		
Q.F.—		
Hotchkiss—		
6-pr., Mark I.—		
Spring, retaining trigger. (I.)—	12068	631
3-pr., Mark I.—		
Spring, retaining trigger. (I.)—		
<i>Use extended to Land Service.</i>		

Article.	Para.	Page.
Permanent telegraph stores—		
<i>New patterns.</i>	} 12087	646
<i>Patterns to become obsolete.</i>		
<i>Patterns with amended nomenclature.</i>		
Plotter, field. (II.) .. .. .	12088	649
Projectiles, B.L., or B.L.C., 5 inch gun—	} 12075	633
<i>Driving band.</i>		
Relay, testing and firing. (IV.) .. ..	12081	641
Rifles, aiming, 1-inch:—		
Elswick—	} 12069	632
A—		
B—		
Morris—		
B.L.—		
6-inch to 9·2-inch—		
5 inch—	} 12066	630
Q.F.—		
<i>Anti-fouling cylinders abolished.</i>		
Sabôt, barrow, projectile, No. 3 (I.).. ..	12066	630
Scabbards, swords:—		
Buglers—	} 12058	628
Pioneers—		
<i>Obsolete.</i>		
Set squares:—		
10-inch—	} 12089	650
60 degrees—		
45 degrees—		
9-inch, 60 and 30 degrees—		
6-inch, 45-degrees—		
<i>To become obsolete.</i>		
Set squares, celluloid:—		
10-inch—	} 12089	650
60 degrees. (I.) .. .. .		
45 degrees. (I.) .. .. .		
9-inch—		
$\frac{1}{8}$ pitch. (I.) .. .. .		
$\frac{1}{4}$ pitch. (I.) .. .. .		
6-inch—		
60 degrees. (I.) .. .. .		
45 degrees. (I.) .. .. .		



Article.	Para.	Page.
Shell:—		
B.L., 5-inch howitzer—		
Shrapnel. (VII.).. ..	12076	639
<i>To be used with howitzers only.</i>		
B.L., or B.L.C., 5-inch gun—		
Common, lyddite. (VIII.)—		
pointed, cast steel. (II.)—	12075	638
<i>Driving band.</i>		
Shrapnel. (VI.) .. ..		
<i>To be used with guns only.</i>		
Shot:—		
B.L., or B.L.C., 5-inch gun—		
Armour-piercing. (I.)—	12075	638
<i>Driving band.</i>		
Solid. (II) .. ..		
Sleeves, lead—		
<i>New patterns.</i>	12082	642
<i>Patterns to become obsolete.</i>		
<i>Patterns with altered nomenclature.</i>		
Sling, rifle, web, G.S. (I.)—	12060	627
<i>Alteration to fittings.</i>		
Spanner, submarine mining, T. (I.) .. ..	12081	641
Stores, telegraph, permanent—		
<i>New patterns.</i>	12087	646
<i>Patterns to become obsolete.</i>		
<i>Patterns with amended nomenclature.</i>		
Studs, contact, position-finder—		
<i>New patterns.</i>	12088	643
<i>Patterns with amended nomenclature.</i>		
Swords:—		
Buglers—	12053	626
Pioneers—		
<i>Obsolete.</i>		
Telegraph stores, permanent—		
<i>New patterns.</i>	12087	646
<i>Patterns to become obsolete.</i>		
<i>Patterns with amended nomenclature.</i>		
Wagons, forge, R.E. (II.)—		
<i>Tools not to be carried on outside of wagons ;</i>	12084	644
<i>fittings abolished.</i>		



625

1st March, 1904.

[[§§ 12057 to 12089.

(WEEDON SECTION.)

12057.—Implement, action, rifle,  
short, M.L.E., Mark I.

C

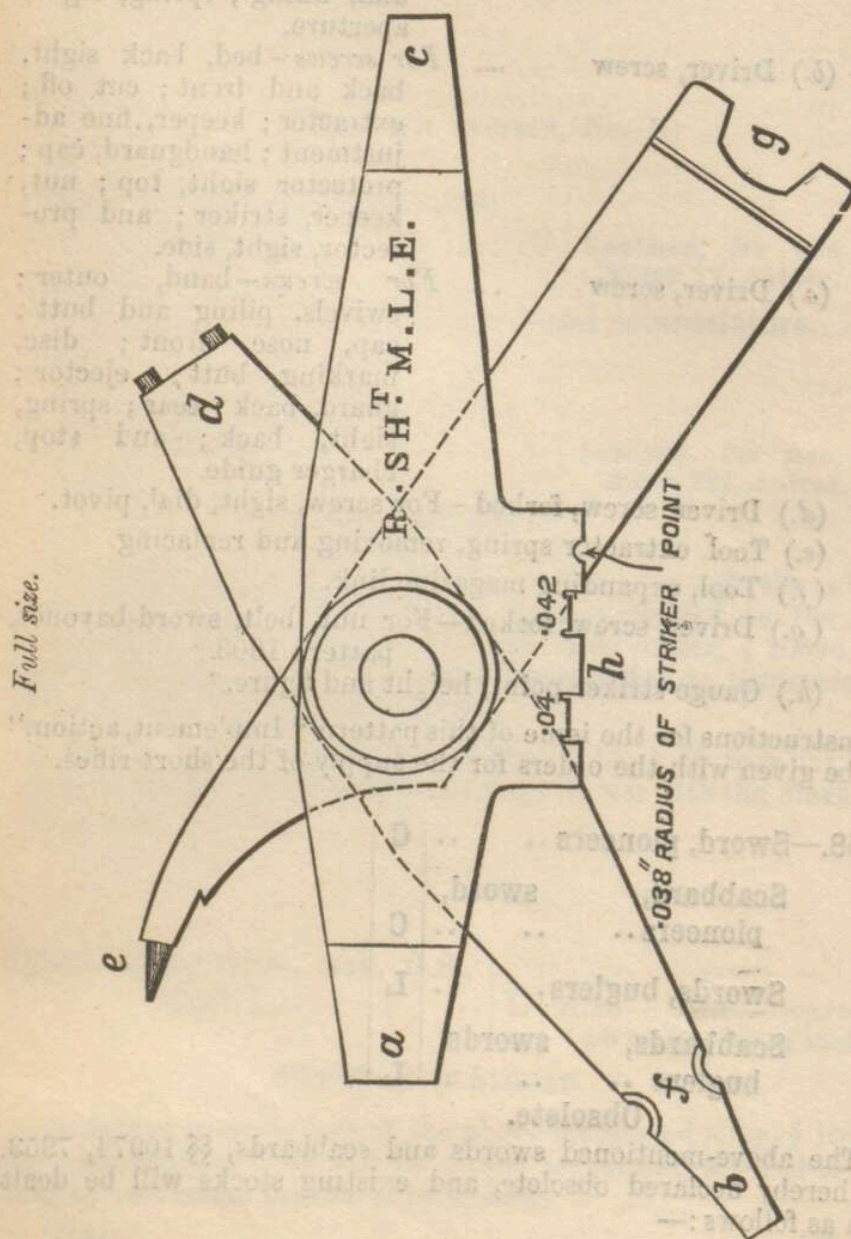
Steel, 3-blade; also  
sword-bayonet, pattern  
1903.

A pattern of the above-mentioned implement, as shown in  
accompanying drawing, has been sealed to govern manufacture.

2nd Feb. 1904.

7669

8794



(134)

A



626

The implement is for use in stripping and re-assembling the stock fore-end and action, and testing the length and radius of striker point of "Rifles, short, M.L.E.," also for stripping and re-assembling the bolt of "Sword-bayonet, pattern 1903."

The following is a description of the various parts of the tool, showing the screws, &c., for which they are used :—

- (a.) Driver, screw .... For screws—band, inner; cap, nose, back; guard, trigger, front; plate, butt; sight dial, fixing; spring, sight, aperture.
- (b.) Driver, screw .... For screws—bed, back sight, back and front; cut off; extractor; keeper, fine adjustment; handguard, cap; protector sight, top; nut, keeper, striker; and protector, sight, side.
- (c.) Driver, screw ... For screws—band, outer; swivels, piling and butt; cap, nose, front; disc, marking, butt; ejector; guard, back; sear; spring, sight, back; and stop, charger guide.
- (d.) Driver, screw, forked—For screw, sight, dial, pivot.
- (e.) Tool, extractor spring, removing and replacing.
- (f.) Tool, expanding magazine link.
- (g.) Driver, screw, forked—For nut, bolt, sword-bayonet, pattern 1903.
- (h.) Gauge striker point, height and figure.

Instructions for the issue of this pattern "Implement, action," will be given with the orders for the supply of the short rifles.

12058.—Sword, pioneers ..	..	C
Scabbard, sword, pioneers ..	..	C
Swords, buglers ..	..	L
Scabbards, swords, buglers ..	..	L

Obsolete.

The above-mentioned swords and scabbards, §§ 10974, 7953, are hereby declared obsolete, and existing stocks will be dealt with as follows :—

28th Feb., 1903.  
N.O.  
13480

17th Nov. 1903.  
1st Dec., 1903.  
54  
Gen. No.  
9326



627

*Naval service.*

Swords and scabbards, pioneers.—As notified in Admiralty letter dated 13th March, 1903, G 1403/03.

*Land service.*

Swords and scabbards, pioneers and buglers.—Returned to store for transmission to Weedon for disposal.

## (WOOLWICH SECTION, No. 1.)

12059.—Frog, brown, wire cutter,  
Mark I. .. .. C | Leather, for use with  
Mark II. cutter.

## 1. Extended use and nomenclature.

Frog, brown, wire cutter,  
Mark II. .. .. L | Leather, for use with  
Mark III. cutter.

## 2. New pattern.

1. With reference to § 11153:—The use of the above-mentioned Mark I. frog having been extended to the land service for carriage of the Mark II. wire cutter, § 10396, the distinguishing letter and the details appended to nomenclature have been altered as shown above.

3rd Dec. 1903.

54

Gen. No.

9340

2. A pattern of the above-mentioned Mark II. frog has been sealed to govern future supplies of frogs for use with the Mark III. wire cutter, § 12061.

24th Oct. 1903.

7116

1018

12060.—Sling, rifle, web, G.S.,  
Mark I. .. .. L | Also R.A. carbine,  
46 inches by 1½ inches.

13th Nov. 1903.

54

Yeomanry

283

## Alteration to fittings.

In future manufacture of the above-mentioned sling, § 10442, the brass catch or hook will be ½ inch longer and secured to the sling by two rivets instead of by eyelets.

1st Jan. 1904.

57

Gen. No.

4913

(134)

A 2



The larger fittings will also be used for the repair of existing slings, when necessary, and the following stores should be demanded for this purpose:—

	No.
Catches, brass, large, for web slings .....	2
Rivets, copper tinned, $\frac{3}{8}$ -inch, No. 12 W.G. ....	4

(WOOLWICH SECTION, No. 7.)

12061.—Cutter, wire, Mark III. .. |  $9\frac{1}{2}$  inches long, with file

24th Oct. 1903.

7116

1018

A pattern of the above-mentioned wire cutter has been sealed to govern future supplies.

It is similar in shape to the Mark I. wire cutter, § 8255, but is about  $2\frac{1}{2}$  inches shorter, has three notches for cutting wire instead of one, and has a 3-square file fitted on the inside of one of the handles for cutting wire of large sizes. The file is held in its place by two small screws; it will be replaced, on demand, when worn out.

(WOOLWICH SECTION, No. 13.)

12062.—Boxes, fuze—

No. 27 .. ..	L
No. 30 .. ..	L

Clips for fastening the lids to be removed.

16th Nov. 1903.

54

Artillery

883

In future manufacture of fuze boxes of the above-mentioned description, for B.L. 5-inch howitzer equipments, clips for fastening the lids of the boxes will not be provided.

The clips on existing boxes will be removed locally.

(WOOLWICH SECTION, No. 14.)

12063.—Barrows, projectile—

Road .. ..	L
Shingle .. ..	L

To become obsolete.

3rd Sept. 1903.

57

Gen. No.

4518

No more of the above-mentioned barrows (§§ 4039, 4453) will be made, and as soon as the existing stock is used up they will be regarded as obsolete.



629

## 12064. — Carriages, garrison:—

## B.L.—

10-inch, barbette,

Mark IV. .. .. L

9·2-inch, barbette,

Marks III., IV.  
and V. .. .. L

6-inch, C.P., Marks

I. to IV. .. .. L

## Q.F.—

6-inch, Marks I.

and II. .. .. L

4·7-inch, C.P., Mark

III. .. .. L

12-pr., Mark III. .. L

Yard scale ring for use with 1-inch aiming  
rifles.

To facilitate laying with the rocking bar sights of carriages of the above-mentioned descriptions when using 1-inch aiming rifles, a graduated yard scale ring will be provided for use with the rifle.

Officers concerned will take the necessary steps to demand a yard scale ring graduated for use with 1-inch aiming rifles, as required.

29th Dec. 1903

15th Feb. 1904

57

Portsmouth

5764

12065. — Carriages, garrison, dis-  
appearing, B.L.—

10-inch, Mark I. .. L

9·2-inch, Mark I. .. L

Valve recoil, Mark III.

Altered valves to be known as Mark II.\*

In future manufacture, recoil valves for carriages of the above-mentioned description will differ from those described in § 10059 in having the joint of the seating with the recoil cylinder made under the flange, instead of at the end of the screwed portion of the seating as hitherto. Such valves will be known as "Mark III."

Upon repairs becoming necessary to the seating of the existing Mark II. valves, new seatings will be fitted in accordance with instructional print, R.C.D. No. 1094, which, together with the

9th Feb. 1903.

5th Nov. 1903.

11th Dec. 1903.

71

1

2627



undermentioned stores, will be supplied to officers concerned on demand. When a new seating is fitted to a Mark II. valve it will be known as "Mark II.\*" and be so stamped.

*Stores per carriage.*

	10-inch.	9·2-inch.
Lead, ·4-inch by ·2-inch section—		
Lengths of 7 feet .. .. length	1	1
Lengths of 4 feet 8 inches .. .. „	..	..
Seatings, Mark III. recoil valve ..	6	4

*Tools (as may be required).*

Tools, valve seating :—

Bar, boring, 1·75 inches by 10·5 inches, with  
wedge and key .... 1

Cutter, 1·75 inches, boring bar—

Facing .... 1

Recessing .... 1

Scoring .... 1

Guide, boring bar—

5·2 inches diameter .... 1

2·75 inches diameter .... 1

12066.—Sabôt, barrow, pro-  
jectile, No. 3, Mark I. L Iron ; No. 15 barrow,  
for B.L., 10-inch,  
Mark IV.

17th Oct. 1903.

71

1

2878

A pattern of the above-mentioned sabôt has been sealed to govern manufacture for land service.

The sabôt is for supporting B.L., 10-inch projectiles above the ground, so that the two projections of the No. 15 barrow (§ 11675) may be placed under the base of the projectile.

The sabôt is of cast iron, with a square pin of wrought iron fixed to, and projecting from, the centre.

(WOOLWICH SECTION, No. 15.)

12067.—Carriage, siege, B.L.,  
6-inch 30-cwt. how-  
itzer, Mark I. .. L

29th Aug. 1903.

5th Oct. 1903.

73

8

3022

Modifications to elevating gear.

In future manufacture, the elevating gear of carriages of the



631

above-mentioned description (§ 8998) will be modified, so that the cradle may be quickly elevated or depressed by a hand lever without the aid of the gear.

The alteration consists of substituting a new pattern pinion with a jamming wheel for the existing pinion. The jamming wheel may be turned on the spindle of the pinion to jam the friction plates when it is required to move the cradle by means of the gear, or may be turned to liberate the plates so that the cradle may be moved by a detachable hand lever which fits into a socket on the cradle. A plate is fixed to the cradle on which an approximate firing position may be marked.

Carriages in the siege train only will be altered locally, in accordance with instructional print, R.C.D. 1125, which, together with the undermentioned stores, will be supplied to officers concerned on demand.

*Stores per carriage.*

	No.
Lever, cradle .....	1
Pinion, elevating— with spind'le, spring, nut, and split key ....	1
Plate, marking elevation— with fixing screws ..	1
Socket, cradle lever .....	1
Wheel, hand, jamming, elevating gear ....	1
Rivets, steel, boss head, $\frac{7}{16}$ inch by 1 inch ...	4

(WOOLWICH SECTION, No. 16.)

12068.— Ordnance, Q.F., Hotchkiss:—

6-pr., Mark I.—

Spring, retaining trigger, Mark I.

C

Steel, with two fixing screws (for guns on recoil mountings).

3-pr., Mark I.—

Spring, retaining trigger, Mark I.

C

Steel, with two fixing screws.

Extended use.

Distinguishing letter altered from "N" to "C."

With reference to § 7313:—The use of the above-mentioned springs having been extended to Mark I. 6-pr. and 3-pr. Hotchkiss guns respectively, in land service, the distinguishing letter has been altered accordingly from "N" to "C" as shown above.

2nd Feb. 1904.

57

Vocabulary

6213



632

## 12069.—Rifles, aiming, 1-inch:—

Elswick—

A .. .. N

B .. .. C

Morris—

B.L—

6-inch to 9'2-inch . L

5-inch .. .. L

Q.F. .. .. C

Anti-fouling cylinders abolished.

14th Dec. 1903.

73

12

1421

With reference to §§ 11179, 11273, 11388, 11434, 11618:— In future the use of anti-fouling cylinders with aiming rifles of the above-mentioned descriptions will be discontinued. Existing cylinders for the above-mentioned aiming rifles will be regarded as obsolete and will be brought to produce locally.



633

(WOOLWICH SECTION, No. 17.)

12070.- Ordnance, B.L.—

12-inch, wire, Mark  
VIII.:—Locks, electric,  
Marks I.\*, II.\*,  
and III. . . . . N

Steel, for wire-ss tubes,  
with flat spring, actu-  
ating lever, in 2 parts,  
with stop catch, nut,  
and spiral spring,  
sleeve with set screw,  
spiral spring, and keep  
pin; link actuating  
upper contact; upper  
contact (consisting of  
punch with ivory  
washer, connecting  
piece, insulating bush,  
2 washers, securing  
bush, case, and nut);  
cable; lower contact  
(consisting of contact  
insulating bush, 2  
washers, securing bush,  
case, nut, cap, and  
spiral spring); (bracket  
supporting cable with  
fixing screw for B.L.  
12-inch, Mark VIII.);  
bush firing hole; 2 ser-  
rated cutters with  
fixing screws; ex-  
tractor with axis pin,  
spiral spring, and  
lanyard.

9'2-inch, wire, Marks  
VIII. and IX.—Locks, electric,  
Marks I.\*\*\*,  
I.\*\*\*\*, II.\*, and  
III. . . . . C

1. Modifications to Marks I.\* and II.  
electric locks for 12-inch, Mark VIII.,  
B.L. guns, and Marks I.\*, I.\*\*, and II.  
electric locks for 9'2-inch, Marks VIII.  
and IX. B.L. guns.

## 2. Nomenclature of modified locks.

Drawings (R.G.F. 10225B, 10284A) of the above-mentioned  
electric locks have been sealed to govern future manufacture and  
the conversion of existing locks.

The Mark III. electric locks for B.L. 12-inch wire, Mark VIII.,  
and 9'2-inch wire, Marks VIII. and IX., guns respectively, are

15th April 1903.

57

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9065

16th June 1903.

73

3

4523



generally similar to each other, and differ from previous patterns (§§ 8296, 10008, 11007) in the following particulars:—

A flat steel spring is fitted to the upper end of the lock frame. The free end of the spring is forked, and engages with the outer end of the upper contact case, which is prepared for its reception.

The "punch" of the upper contact is lengthened so as to admit of a maximum protrusion of .09 of an inch, and the grooves in the contact case, and corresponding projections on the actuating link, are arranged to withdraw the lengthened punch within the face of the firing hole bush, when the actuating lever of the lock is raised.

1. Existing electric locks, Marks I.\* and II., for B.L., 12-inch wire, Mark VIII., and Marks I.\*, I.\*\*, and II., for B.L., 9.2-inch, wire, Marks VIII. and IX. guns, also the "Connections, auxiliary circuit," and spare "Contacts, lock, electric," will be modified as described above, in accordance with the instructional prints detailed below, which, with the undermentioned stores and tools, will be supplied to officers concerned on demand, as follows:—

*Land Service.*—Locally, by Army Ordnance Department.

*Naval Service.*—Locally, at depôts, and on board His Majesty's ships by ships artificers, in accordance with arrangements which will be made by the Superintendent of Ordnance Stores.

*Instructional prints and stores.*

				Ordnance, B.L.	
				12 inch, Mark VIII.	9.2-inch, Marks VIII. and IX.
Instructional prints—					
R.G.F./10225A/6	..	..	..	As required	..
R.G.F./11038/5	..	..	..	..	As required.
Spring, flat..	..	..	..	1 per lock ..	1 per lock.
Hard steel pieces ..	..	..	..	2 " ..	2 "
Punch, upper contact	..	..	..	† ..	†

*Tools (as required).*

Gauge (contact) ..	..	..	..	1	1
Drill jig (link, actuating) ..	..	..	..	1	1

† 1 to each lock, to each "Connection, auxiliary circuit," and to each spare "Contact, lock, electric."



635

2. When modified as herein described, one star will be added to the numerals of Marks I.\* and II. locks for B.L., 12-inch, Mark VIII., gun, and Mark II. locks for B.L., 9.2-inch, Marks VIII. and IX. guns, and two stars to the numerals of Marks I.\* and I.\*\* locks for B.L., 9.2-inch, Marks VIII. and IX. guns, and the details appended to nomenclature will be amended as shown above.

12071.—Ordnance, B.L., 9.2-inch,  
wire, Mark IX.—

Ring, carrier .. L

Modification to facilitate the removal and replacement of contact bolt.

With reference to §§ 9498, 11007:—In future manufacture the recess for the cable of the contact bolt in the hinge joint of the above-mentioned carrier ring will be enlarged at the outer end so as to admit of the contact bolt being removed or replaced without making or breaking any soldered joint. A removable filling piece will be fitted to the outer end of the recess and secured by a fixing screw.

Existing guns of the above-mentioned description (including spare carrier rings) will be modified as described above, locally, in accordance with instructional print, R.G.F./11014/11, which, with the following stores, will be supplied to officers concerned on demand:—

*Stores per carrier ring.*

	No.
Piece, filling	1
Screw, fixing	1

12072.—Ordnance, B.L., 15-pr.,  
Marks II. to IV.,  
and 12-pr., Marks II.  
to IV.—

Carrier .. L

Pinion, link, Mark II. L Steel.

Breech screw link (Part I.) to be case hardened.

Link pinion to be made of steel and case hardened.

With reference to §§ 10491, 10493:—In future manufacture of carriers of the above-mentioned description, the breech screw

1st Aug. 1903.

73

3

4635

14th July 1903.

54

Artillery

922

4th Feb. 1904.

54

Artillery

1716



link (Part I., which gears with link pinion) will be case hardened. and the link pinion (including spare pinions) will be made of steel and case hardened, instead of manganese bronze as formerly.

The steel link pinion will be described as "Mark II.," and will be so stamped.

Existing Mark I. link pinions will be used up.

The above modifications will be carried out on existing B.L., 15-pr., Marks II. to IV., and 12 pr., Marks II. to IV., guns, when passing through Ordnance Factories for repair.

(WOOLWICH SECTIONS, Nos. 21, 22A, 23, AND 24.)

12073.—Boxes—

Ammunition, S.A. and Q.F.  
Cartridge.

Case, powder, 100 lb.

Red cross denoting varnished or painted linings to be abolished.

14th Aug. 1903.

20th Nov. 1903.

57

Gen. No.

4243

With reference to §§ 7455, 8285, 9087:—In future, the marking of a red cross on boxes and cases of the above-mentioned descriptions (to distinguish those which have varnished or painted linings) will be discontinued.

The red cross will be obliterated from all existing boxes and cases, locally. If, in carrying out this operation, any boxes or cases are found in store with the linings either unvarnished or unpainted, such packages should be issued first.

The linings of any packages affected which are not yet varnished, will be varnished as opportunities offer.

(WOOLWICH SECTION, No. 22A.)

12074.—Implements, fuze, shell,  
and cartridge—

Key, removing ad-  
apter, or electric

primer, Mark IV... C Q.F. or Q.F.C.; steel.

13th Nov. 1903.

76

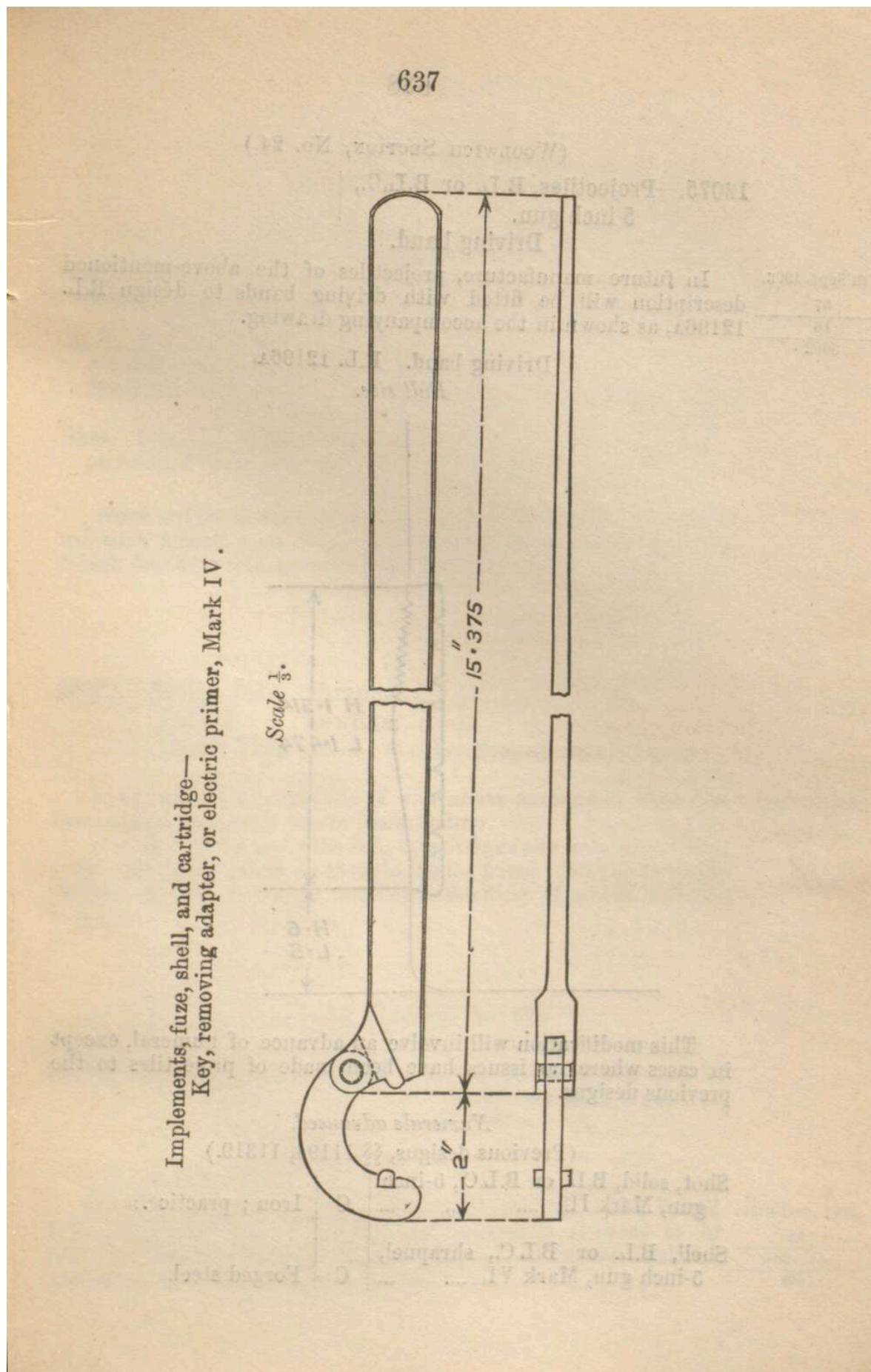
7

8115

A drawing (R.L. 13015) of the above-mentioned key has been sealed to govern future manufacture.

The key, which is made to the form and dimensions shown on the accompanying drawing (page 637), is self-adjusting, and is suitable for use in removing all adapters and electric primers, either before or after firing.





638

(WOOLWICH SECTION, No. 24.)

12075.—Projectiles, B.L. or B.L.C.,  
5 inch gun.

Driving band.

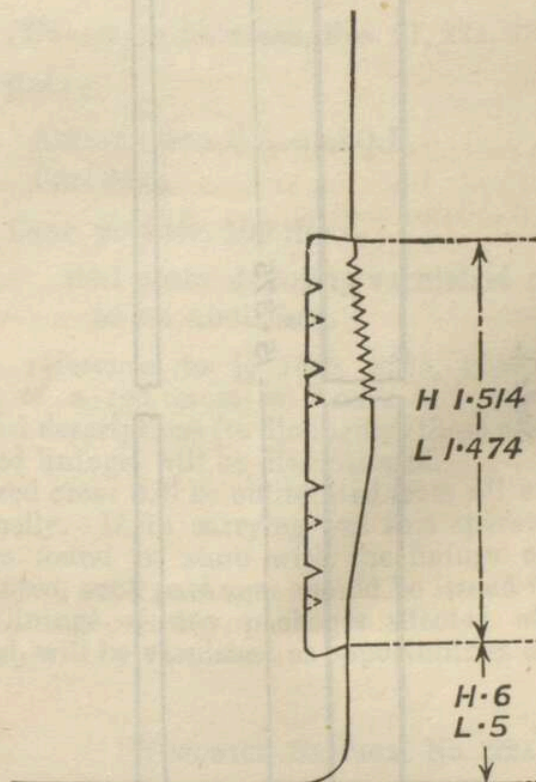
17th Sept. 1903.

57  
16  
3062

In future manufacture, projectiles of the above-mentioned description will be fitted with driving bands to design R.L. 12196A, as shown in the accompanying drawing.

Driving band. R.L. 12196A.

*Full size.*



This modification will involve an advance of numeral, except in cases where no issues have been made of projectiles to the previous designs.

*Numerals advanced.*

(Previous designs, §§ 11194, 11319.)

Shot, solid, B.L. or B.L.C., 5-inch gun, Mark II. ....	C	Iron ; practice.
Shell, B.L. or B.L.C., shrapnel, 5-inch gun, Mark VI. ....	C	Forged steel.



639

*Numerals not advanced.*

(Previous designs, § 11214.)

Shell, B.L. or B.L.C., common, lyddite, 5 inch gun, Mark VIII.	C	Forged steel.
Shell, B.L. or B.L.C., common, pointed, 5 inch gun, cast steel, Mark II. ....	N	For medium base fuze.
Shot, B.L. or B.L.C., armour- piercing, 5 inch gun, Mark I. ....	N	Steel.

NOTE.—The above mentioned Mark VI. shrapnel shell is for use with 5-inch *guns* only, and the shrapnel shell for use with 5-inch *howitzers* will be that described in § 12076.

12076.—Shell, B.L., shrapnel, 5-inch howitzer, Mark VII. .. ..	L	Forged steel.
--	---	---------------

A drawing (R.L. 13145) of the above-mentioned shell has been sealed to govern future manufacture. 17th Nov. 1901.

The shell is for use with B.L. 5-inch *howitzers* only, and differs from that described in § 11319 in being fitted with the howitzer driving band (R.L. design 11423A), a drawing of which is shown in § 11318.

57

16

3062

(WOOLWICH SECTION, No. 27.)

12077.—Belt, restraint, lunatic ..	Three belts and pair of gloves, with locks and keys.
------------------------------------	--

Obsolete.

The above-mentioned belt, mentioned at page 1269, Priced Vocabulary of Stores, 1902, but not previously referred to in *List of Changes*, being no longer required, is hereby declared obsolete, and will be disposed of locally. 28th Dec. 1903.

54

Gen. No.

4931

640

(WOOLWICH SECTION, No. 28.)

## 12078.—Batteries—

Leclanché—

C, three-cell, Mark

I. .. .. L

In wood box; for position-finding, firing, and signalling batteries (R.A.) when no recesses are provided.

Box, Mark I. .. L

Wood; 20 inches by  $17\frac{1}{2}$  inches by 7 inches.

C, six-cell, Mark

I. ... .. L

In wood box; for position-finding, firing, and signalling batteries (R.A.) when no recesses are provided.

Box, Mark I. .. L

Wood;  $37\frac{3}{10}$  inches by  $17\frac{1}{2}$  inches by 7 inches.

To become obsolete.

30th Jan. 1904.

57

Gen. No.

5144

No more of the above-mentioned stores (§§ 7944, 11044) will be provided, and as soon as the existing stock is used up, they will become obsolete.

## 12079.—Box, junction, disconnecting—

1 group and 4 branch cables, Mark IV... L

C.I., with nipping hooks and lid, without india-rubber washer for dome.

Without attachment chain.

28th Aug. 1903.

7896

752

A pattern of the above-mentioned Mark IV. box has been sealed to govern future manufacture.

It differs from the Mark III. (§§ 8469, 11196) in the following particulars:—

The lower commutator plates are enlarged, and secured by three fixing screws. The binding screws are situated at the corners of these plates.

The fuze holes are tapered from  $\frac{21}{32}$  inch to  $\frac{5}{8}$  inch diameter.



641

12080.—Dial, mechanical, C,			
Mark I. .. ..	..	..	L
Dial, mechanical, D,			
Mark I. .. ..	..	..	L
			For position-finders with 10-yard notches.
			For position-finders with 25-yard notches.

Patterns of the above-mentioned stores have been approved 13th Aug. 1903.  
to govern future supplies as specially ordered. 26th Jan. 1904.

They are intended for use with position-finders when the Battery Commander's corrections are made in the position-finding cell, and show the amount of correction given. 13th Feb. 1904.

Each dial consists of a case of about  $12\frac{7}{8}$  inches long by  $7\frac{1}{4}$  inches wide by  $3\frac{7}{8}$  inches deep. The over all dimensions are about 15 inches by  $11\frac{1}{2}$  inches by 4 inches.

Two handles protrude on the right side of the case, and a knob on the left. The handles on the right are locked by the knob on the left, and it is necessary to push in the knob before the handles can be moved. As the upper or lower handle on the right is revolved, pointers move round dial faces showing corrections given to range or training up to  $\pm 600$  yards and 8 degrees right or left respectively. Five terminals are mounted on the top of the case; these are connected to the five terminals on terminal board E when the dial is installed.

84

T

1847

12081.—Relay, testing and firing,			
Mark IV. .. ..	..	..	L
Spanner, submarine			
mining, T, Mark I. ..	..	..	L
			With five $\frac{5}{16}$ -inch holding down screws, length under head $\frac{1}{8}$ inch.
			Straight, double-ended, $2\frac{3}{8}$ inches long, $\frac{7}{32}$ inch across flats.

Patterns of the above-mentioned relay, and spanner, have been 28th Nov. 1903.  
sealed to govern future manufacture.

The relay differs from the previous pattern (§ 9682) in the following particulars:—

7896

694

1. Only one hole in the brass base is provided for an insulated conductor.

2 It has two pillar terminals, one of which (additional) provides for a break between the detonator and cable conductor.

3. The terminal to which one end of each coil is connected is marked "f."

(134)

B



4. The strap connecting contact stop to end of 5 ohms coil is made in one piece; the end of coil is secured to it by a binding screw instead of being soldered.

5. The armature pivot screws have platinum points, and the armature is bushed with platinum.

6. The earthed end of 2,000 ohms coil is secured underneath the centre cheek of bobbin.

7. The 2,000 ohms coil is wound outside the 5 ohms coil.

8. The contact stud is adjusted by hexagonal nuts for which two T spanners are used.

The "Spanner, submarine mining, T," is made of steel, and is for use in adjusting the contact stops on relays fitted with hexagon nuts instead of capstan-headed nuts.

#### 12082.—Sleeves, lead—

			For covering joints of lead-covered cables; diameters measured internally.
$\frac{7}{16}$ inch by 12 inches, Mark I. .. ..	L	For L 2, L 3, and outer cores of L 4.	
$\frac{9}{16}$ inch by 12 inches, Mark I. .. ..	L	For centre cores of L 4.	
$\frac{11}{16}$ inch by 12 inches, Mark I. .. ..	L	For L 1.	
1 inch by 12 inches, Mark I. .. ..	L	For K 4 and L 5.	

#### 1. New patterns.

$\frac{1}{2}$ inch by 12 inches, Mark I. .. ..	L	For K 6 and L 6.
---	---	------------------

#### 2. Nomenclature.

$\frac{3}{8}$ inch by 12 inches, Mark I. .. ..	L	
$\frac{5}{8}$ inch by 12 inches, Mark I. .. ..	L	

#### 3. To become obsolete.

4th March 1903. 1. Patterns of the above-mentioned  $\frac{7}{16}$ -inch,  $\frac{9}{16}$ -inch,  $\frac{11}{16}$ -inch, and 1-inch lead sleeves have been approved to govern future manufacture.

27th Nov. 1903. They are for use in covering joints of lead-covered cables, as shown in the details appended to nomenclature.

7901  
850



2. The  $\frac{1}{2}$ -inch sleeve mentioned in § 10467 (which has now been superseded by the above-mentioned  $\frac{9}{16}$ -inch sleeve for use with the centre cores of L 4) will, in future, be used with K 6 and L 6 cables. The details appended to nomenclature have been altered accordingly as shown above.

3. Consequent on the  $\frac{3}{8}$ -inch and  $\frac{5}{8}$ -inch sleeves (§ 10467) having been superseded by the above-mentioned  $\frac{7}{16}$ -inch and  $\frac{11}{16}$ -inch sleeves respectively, no more of the former will be made, and so soon as existing stocks have been used up, those patterns will be regarded as obsolete.

12083.—Studs, contact,  
position-finder—

position-finder—			With ebonite bases and connecting wires.			
			Silver, for—			
No. 2, Mark			2 mine cases	100 ft. apart.	Scale $\frac{1}{2500}$	
III. .. ..	L		3     "			
No. 3, Mark			2     "	60 ft. apart.		
III. .. ..	L		3     "			
No. 5, Mark			2     "	100 ft. apart.	Scale $\frac{1}{1350}$	
II. .. ..	L		3     "			
No. 6, Mark			2     "	60 ft. apart.		
II. .. ..	L		3     "			
No. 8, Mark			2     "	100 ft. apart.	Scale $\frac{1}{2500}$	
I. .. ..	L		3     "			
No. 9, Mark			2     "	60 ft. apart.		
I. .. ..	L		3     "			
No. 10, Mark			2     "	60 ft. apart.	Scale $\frac{1}{2500}$	
I. .. ..	L		3     "			
No. 11, Mark			2     "	60 ft. apart.	Scale $\frac{1}{2500}$	
I. .. ..	L		3     "			

1. New patterns.

No. 1, Mark			Platinum, for—	
II. .. ..	L		1 mine case; scale $\frac{1}{2500}$ , $\frac{1}{1250}$ .	
No. 4, Mark				
II. .. ..	L		4 mine cases, 100 ft. apart.	} Scale $\frac{1}{2500}$
No. 7, Mark	L			
I. .. ..			4 mine cases, 60 ft. apart.	

2. Nomenclature.

1. The above-mentioned new patterns of studs have been sealed to govern future manufacture.

11th Dec. 1903.

7896

767



Each stud consists of a silver bar with rounded top and ends, fitted, on the underside, with steel points. The height of the stud is  $\frac{9}{64}$  inch and its width is  $\frac{1}{8}$  inch, for all patterns. The length of each stud is 40 feet longer (to scale) than that of the longer axis of the theoretical destructive area.

An insulated copper wire connection is soldered to one end of each stud, consisting of 8 strands of "Wire, electric, covered, A 2."

A polished ebonite shield (termed the base), oval in shape,  $\frac{1}{4}$  inch wide from all sides of bar,  $\frac{7}{64}$  inch in height, and fitted with steel points, is placed over the bar when in position on the chart table.

For the protection of the steel points, when not in use, each stud is mounted on a piece of cork.

These contact studs are intended for use with "Position finders, submarine mining."

Nos. 2, 3, 5, and 6 ( $\frac{1}{2500}$ ) studs will take the place of the previous patterns (§§ 8384, 8981) bearing the same number, which will be considered obsolete and returned to Woolwich for disposal as soon as new patterns are received.

Nos. 8, 9, 10, and 11 are new studs, corresponding to the foregoing, for stations using the  $\frac{1}{1250}$  scale.

2. Consequent on the introduction of the above-mentioned new patterns, the details appended to nomenclature of Nos. 1, 4, and 7 studs (§§ 8384, 8981) have been amended as shown above.

#### 12084.—Wagons, forge, R.E., Mark III. | L |

Tools not to be carried on outside of wagons.

Fittings abolished.

6th Feb. 1904.

57

Gen. No.

5135

With reference to § 11543:—The decision to carry tools inside of wagons, instead of securing them by fittings on the outside as hitherto, has been extended to wagons of the above-mentioned description, § 9127.

The fittings on existing Mark III. R.E. forge wagons for carrying the undermentioned stores will be removed locally and returned to store together with the straps. The iron fittings and fixture leathers will be brought to produce locally.

Axes, felling.

Axes, pick.

Hooks, bill.

Hooks, reaping.

Shovels.

Spades.



645

## (WOOLWICH SECTION, No. 29.)

## 12085.—Compass, drawing—

Shifting leg, single-jointed, 6-inch, Mark I. .. ..	L	Plain points. With pen and pencil legs, and pencil.
Leg, pen, Mark I.	L	
Leg, pencil, Mark I. .. ..	L	
Case, drawing compass, empty, Mark I. .. ..	L	For 6-inch single-jointed shifting leg drawing compass.
Case, drawing compass, filled, Mark I. .. ..	L	Containing one 6-inch single-jointed shifting leg drawing compass.

In future the 6-inch single-jointed shifting leg drawing compass will be made to one pattern for all services for which the compass is required, instead of, as hitherto, differing in manufacturing details.

The case will, in future, be dealt with as a separate store.

23rd Nov. 1903.  
57  
Gen. No.  
4821

## 12086.—Instruments, drawing—

Special .. .. L For I.O.M.

To become obsolete.

No more supplies of the above-mentioned store, not previously referred to in *List of Changes*, but mentioned at page 1392, Priced Vocabulary of Stores, 1902, will be obtained, and when present stock has been used up, the pattern will be regarded as obsolete; "Instruments, drawing, G.S.," § 11647, together with a "Compass, beam, 26-inch," being issued in lieu.

23rd Nov. 1903.  
30th Dec. 1903.  
57  
Gen. No.  
4756



# 12087.—Permanent telegraph stores .. .. L

New patterns.

Certain stores to become obsolete.

Nomenclature.

4th May 1903.

7901

865

28th Jan. 1904.

7901

960

Patterns, or specifications, of the undermentioned stores have been approved to govern manufacture:—

## Arms, telegraph pole—

### Ordinary—

24-inch, Mark I. .... L

48-inch, Mark I. .... L

### Terminal—

24-inch, Mark I. .... L

48-inch, Mark I. .... L

### Tubular—

#### A—

20-inch, Mark I. .... L

44-inch, Mark I. .... L

#### \*B—

20-inch, Mark I. .... L

44-inch, Mark I. .... L

Strips, 5½-inch, Mark I. .... L

Strips, 17½-inch, Mark I. .... L

Binders, 17-inch, Mark I. .... L

### Bolts, telegraph pole—

† $\frac{5}{8}$ -inch, Mark I. .... L

† $\frac{1}{2}$ -inch, Mark I. .... L

For permanent lines.

Wood, 2½-inch by 2½-inch; for wood poles.

For two insulators, screw cup.

For four insulators, screw cup.

Wood, 3-inch by 3-inch; for wood poles.

For two insulators, terminal.

For four insulators, terminal.

Iron, with two wood strips.

For wood poles.

For two insulators, screw cup.

For four insulators, screw cup.

For iron poles.

For two insulators, screw cup.

For four insulators, screw cup.

Wood, for 20-inch tubular arms.

Wood, for 44-inch tubular arms.

Copper, for wire, 100 to 150 lb. per mile.

Galvanized iron, with square nut and two washers.

\* Diameter of poles and number of arms for each pole to be stated in demands.

† State length in demands.



Box, test, pole—				For telephone or telegraph lines.
*E, Mark I.	....	....	L	With fork screw driver, test cord, and two earth screws.
Cords, test, Mark I.	....	....	L	With two aluminium pegs.
Drivers, screw, fork, Mark I.	....	....	L	Steel, handled.
Fuzes, tube, 2-inch, Mark I.	....	....	L	Glass, with metal end caps.
Links, cut-out, Mark I.	...	...	L	For tube fuzes.
Links, U, Mark I.	....	....	L	Aluminium
†Screws—				For vacuum discharger.
Long, Mark I.	....	....	L	With washer and distance piece.
Short, Mark I.	....	....	L	With two washers.
Cable, electric, unarmoured—				I.R. covered.
D 23, Mark I.	....	....	L	Without lead covering; outdoor use mainly; four core, interruption.
Condenser, 7.25 microfarad, Mark I.	....	....	L	With seven large pegs; adjustable to 0.25 microfarad; for duplex working.
Irons, terminating—				Galvanized.
Double, Mark I.	....	....	L	
Single, Mark I.	....	....	L	
Insulators, porcelain—				
Screw, cup—				Steel, galvanized, with nut and washer.
Bolts, J—				
$\frac{5}{8}$ -inch	....	....	L	For double and single shed insulators.
$\frac{3}{4}$ -inch	....	....	L	For terminal insulators.
Rods, stay—				
Plates, Mark I.	....	....	L	G.I., 2-ft. by 2-ft.

\* State number of wires (not circuits) in demand.

† One long and one short are to be demanded for each wire for which a vacuum discharger is required.



Saddles, insulator, Mark I.	....	L	G.I.
Stays, Mark I.	....	L	G.I.
Wedges—			Wood, 6-inch.
Thick, Mark I.	....	L	For light wood poles.
Medium, Mark I.	....	L	For medium wood poles.
Thin, Mark I.	....	L	For stout wood poles.
Steps, telegraph pole, Mark I.	....	L	G.I.
Tapes, No. 22 S.W.G., Mark I.	....	L	Copper, $\frac{5}{32}$ inch wide, for wire, 100 to 150 lb. per mile.
Tools, stay—			Steel, for attaching stay wires.
Large, Mark I.	....	L	
Small, Mark I.	....	L	

(Certain of the foregoing stores, viz., "Arms, telegraph pole, ordinary, 24-inch," "Bolts, telegraph pole,  $\frac{1}{2}$ -inch," "Condenser, 7.25 microfarad," and "Saddles, insulator," are existing service stores, but announcement has not hitherto been made in *List of Changes*.)

#### *Arms, telegraph pole.*

As soon as the existing stock of the undermentioned "Arms, telegraph pole" (not previously announced in *List of Changes*) are used up, they will become obsolete, viz.:—

Arms, telegraph pole—	
Ordinary, 28, 33, and 44-inch.	
Channel, iron.	
Tubular, 24 and 48-inch.	

#### *Box, test pole, E.*

One "Discharger, lightning, circular, unmounted, Mark II." (§ 12048) or one "Discharger, lightning, vacuum" (§ 9579) should be demanded for each wire in use per box, and, in addition, one "Link, U," for each wire in use, unless authority has been obtained for the use of a "Fuze tube" and "Link, cut-out" in lieu of the U link.

Two "Counters, bone" (§ 11887) should also be demanded for each wire in use per box for use as marking tablets.



649

*Insulators, porcelain screw cup ; bolts J.*

Consequent on the introduction of the "J" bolts, the nomenclature of screw cup insulators has been amended as follows :—

Insulators, porcelain—				
Screw cup—				
Double shed—				With bolt, nut, washer, and I.R. ring.
Straight bolt	....	..	L	With straight bolt.
J bolt	....	....	L	With J bolt.
Cups	....	....	L	White.
Single shed—				With bolt, nut, washer, and I.R. ring.
Straight bolt	....	....	L	With straight bolt.
J bolt	....	....	L	With J bolt.
Cups	....	....	L	White.
Terminal—				With bolt, nut, washer, and I.R. ring.
Straight bolt	....	....	L	With straight bolt.
J bolt	....	....	L	With J bolt.
Cups	....	....	L	White.
Bolts, straight—				Steel, galvanized, with nut and washer.
$\frac{5}{8}$ -inch	....	....	L	For double and single shed insulators.
$\frac{3}{4}$ -inch	....	....	L	For terminal insulators.
Rings, I.R.—				
Large	....	....	L	For $\frac{3}{4}$ -inch straight and J bolts.
Small	....	....	L	For $\frac{5}{8}$ -inch straight and J bolts.

12088.—Plotter, field, Mark II	L	Two graduated bases and arcs, with two graduated arms, one sliding double clamp, and leather case with sling.
--------------------------------	---	---

A pattern of the above-mentioned store has been sealed to govern future manufacture.

It differs from the previous pattern (§ 11649) in the following main particulars :—

The sliding double clamp is of a different pattern.

The slots in the bases are not bevelled.

The leather case is smaller in size.

6th Nov. 1903.

19th Nov. 1903.

57

Gen. No.

4711

(134)

C



650

## 12089.—Set-squares, celluloid:—

10-inch—

60 degrees, Mark I. L

45 degrees, Mark I. L

9 inch—

 $\frac{1}{2}$  pitch, Mark I. .. L $\frac{1}{4}$  pitch, Mark I. .. L

6 inch—

60 degrees, Mark I. L

45 degrees, Mark I. L

31st Dec. 1903.

57

Bermuda

5913

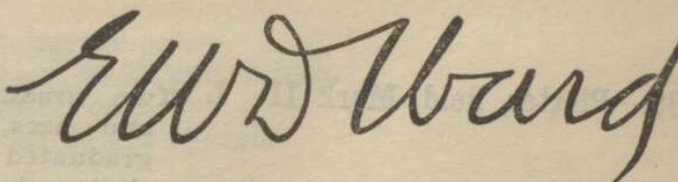
Patterns of the above-mentioned celluloid set-squares have been sealed to govern future supplies.

Consequent on the introduction of the above-mentioned stores, the following set-squares mentioned at p. 1405, Priced Vocabulary of Stores, 1902, will become obsolete when existing stock has been used up:—

## Set-squares—

10-inch, 60 degrees	....	...	L	} Mahogany, edges.	ebony
10-inch, 45 degrees	....	...	L		
9-inch, 60 and 30 degrees	....	...	L		
6-inch, 45 degrees	....	...	L	} Pearwood.	

By order of the Army Council,



WAR OFFICE,

1st March, 1904



651

ERRATA.

- § 11499. Page 145, Vol. XXII.—  
In designation—  
For "Posts, picket, 2½ feet, with iron loop, Mark IV."  
Read "Posts, picket, 2½ feet, with steel staple, Mark IV."
- § 11861. Page 453, Vol. XXII.—  
Drawing—  
For "8 steel rivets .2 inch diameter,"  
Read "8 steel rivets .25 inch diameter."
- § 11390. Pages 476 and 477, Vol. XXII.—  
Director, Mark I.—  
Fifth line from bottom of page 476—  
For "gauge No 6,"  
Read "gauge No. 7."  
Drawing, page 477—  
For "Screws, brass, flat head, ⅜-inch, gauge No. 6,"  
Read "Screws, brass, flat head, ⅜-inch, gauge No. 7."
- § 11962. Page 540, Vol. XXII.—  
Designation—  
Delete "B.L. 10-inch (Mark IV.) | L | "  
Fourth line from bottom of page—  
Delete "11676."

4th Feb. 1904.

15th Feb. 1904.

71

1

3239



